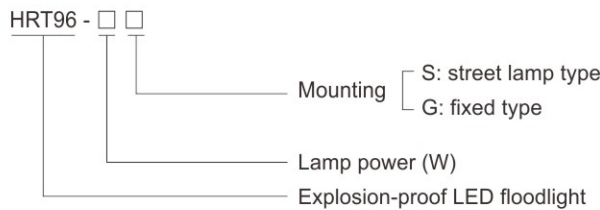


## LED Light Fittings HRT96 Series Explosion-proof LED Floodlights



- ◆ Explosion protection to
  - CENELEC
  - IEC
  - NEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Zone 21 and Zone 22
  - Class I, Zone 1 and Zone 2
  - Class I, Division 1, Groups A, B, C, D
- ◆ Applicable lamp and power (max.240W)  
LED: 80W, 160W, 240W
- ◆ Isolated LED lamp compartment and terminal compartment;  
Wind-convection heat dissipation structure.

### Catalogue number logic



### Selection table

Type / Ordering code	Lamp power(W)	Weight (kg)	Type / Ordering code	Lamp power(W)	Weight (kg)
HRT96-80G	80	3.60	HRT96-80S	80	3.60
HRT96-160G	160	4.50	HRT96-160S	160	4.50
HRT96-240G	240	8.00	HRT96-240S	240	8.00

**Note:** The product is supplied according to "Type/Ordering code" in the table with mounting accessories.

# Zones 1&2; 21&22

## LED Light Fittings HRT96 Series Explosion-proof LED Floodlights

### Technical data

#### Explosion-proof LED floodlights HRT96-□□

##### Explosion protection

Global (IECEx)	IECEx (applied for)
Gas and dust	Ex db IIC T6 Gb
	Ex tb IIIC T80°C Db IP66
Europe (ATEX)	ATEX (applied for)
Gas and dust	⊕ II 2 G Ex db IIC T6 Gb
	⊕ II 2 D Ex tb IIIC T80°C Db IP66

##### Certificates

IECEx; ATEX

##### Conformity to standards

EN 60079-0, EN 60079-1, EN60079-28, EN 60079-31  
IEC 60079-0, IEC 60079-1, IEC60079-28, IEC 60079-31

##### Material

Enclosure	Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)
Glass cover	Toughened glass, stands 4J impact
Exposed fastener	Stainless steel

##### Lamp

Lamp specification	LED module, Multiple LED
Lamp power (W)	80W, 160W, 240W
Colour rendering index (Ra)	≥ 70
Colour temperature (CCT)	5700K

Note: cool white is available in general. Warm white or nature white is optional, please specify when ordering.

##### Rated voltage

220~240V AC 50/60Hz

##### Earthing protection

M5 (internal & external earth bolts)

##### Degree of protection

IP66

##### Ambient temperature

-40°C~+55°C

##### Terminal

3 x 1.5~4mm<sup>2</sup> (L+N+PE)

##### Mounting

Fixed type, street lamp type

##### Cable entries

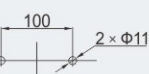
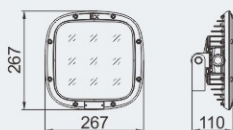
M25 x 1.5 plugs

##### Cable gland

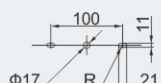
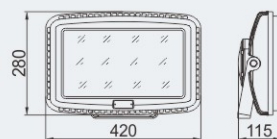
DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~29



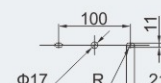
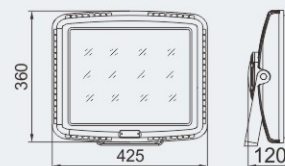
### Dimension drawings (all dimensions in mm) - subject to alteration



HRT96-80□



HRT96-160□



HRT96-240□

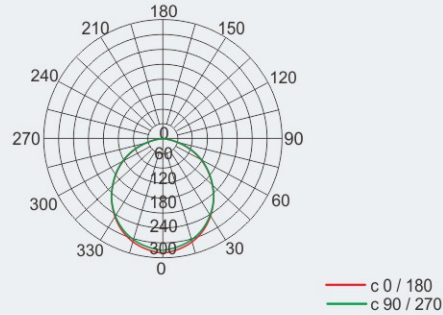
## LED Light Fittings

### HRT96 Series Explosion-proof LED Floodlights

**Photometric data** Note: LED luminous flux is from the standard product of which colour temperature is 5700K (cool white).

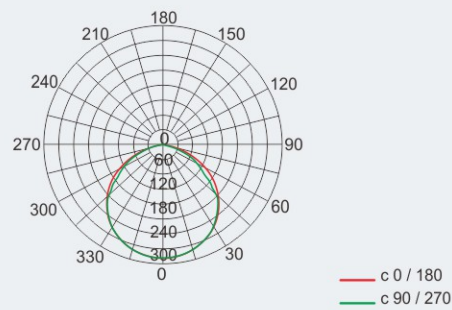
#### HRT96-80□

Lamp power (W)	Luminous flux	Wattage
80	8400lm	80W



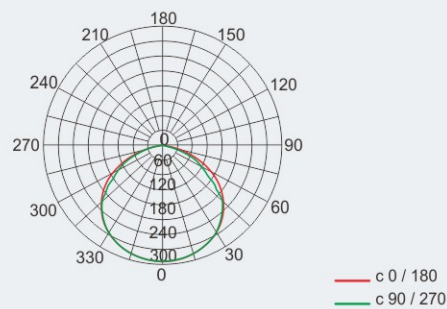
#### HRT96-160□

Lamp power (W)	Luminous flux	Wattage
160	16500lm	160W



#### HRT96-240□

Lamp power (W)	Luminous flux	Wattage
240	25200lm	240W

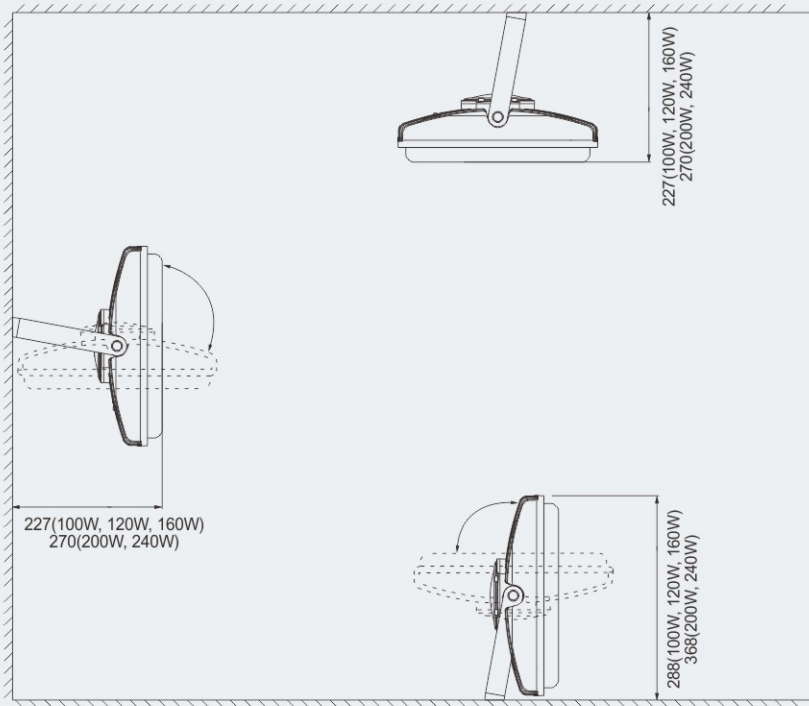


We can provide lighting design and data by professional lighting software DIALUX based upon simulated site situation on request.

## LED Light Fittings HRT96 Series Explosion-proof LED Floodlights

**Mounting type** (all dimensions in mm) - subject to alteration

G: fixed type



S: street lamp type

